

Where to Start? Webinar for Energy Communities Starting a Transformation

We will begin shortly!



EnergyCommunities.gov



[@EnergyComm_US](https://twitter.com/EnergyComm_US)



[@EnergyCommunitiesUS](https://facebook.com/EnergyCommunitiesUS)



[@energycommunitiesus](https://linkedin.com/company/energycommunitiesus)



LIVE

RECORDING

Where to Start?

Webinar for Energy Communities Starting a Transformation



Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization

Brian J. Anderson, Ph.D.

*Executive Director, Interagency Working Group on
Coal and Power Plant Communities and Economic Revitalization*

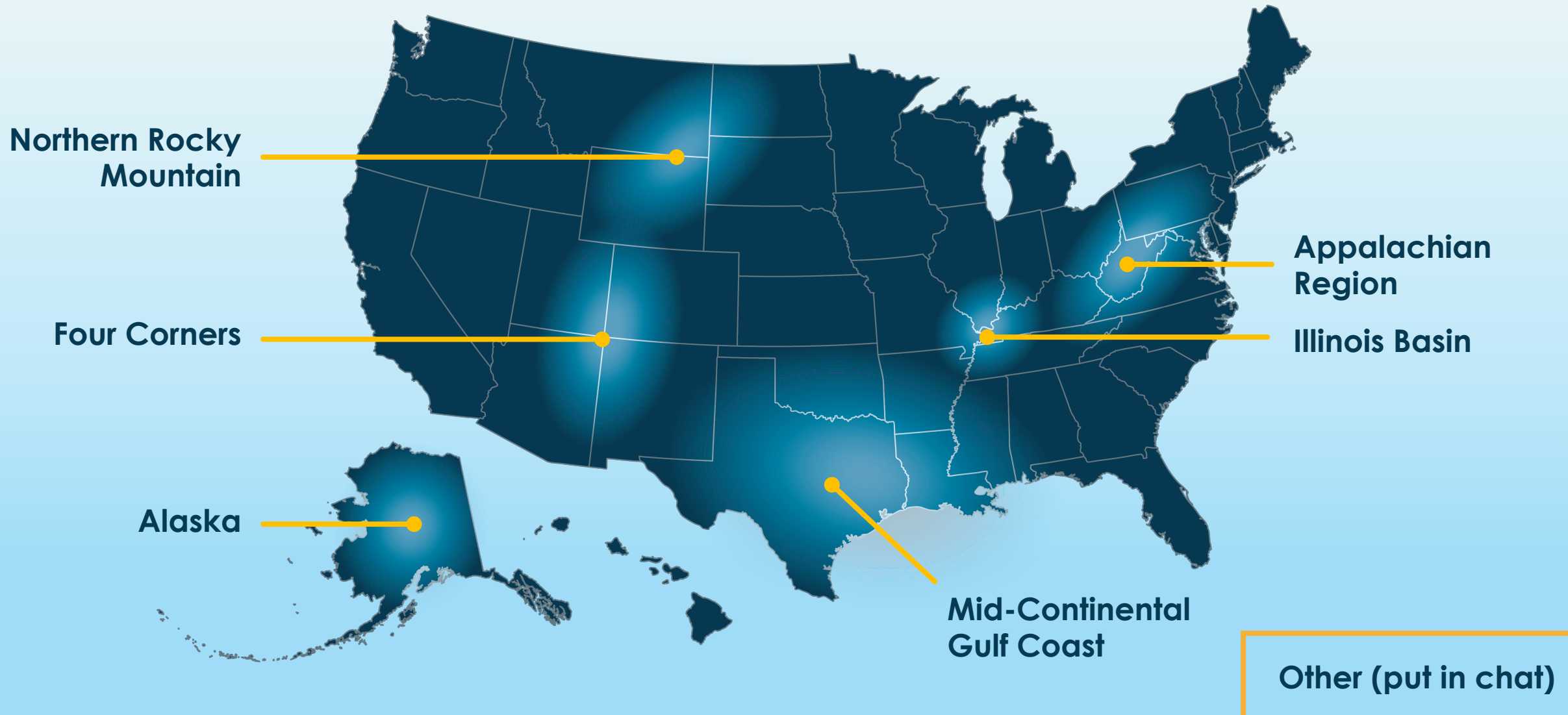
Briggs M. White, Ph.D.

Deputy Executive Director



November 2021

Question 1: Where in the U.S. are you joining us from and/or is your work focused?



Agenda



Welcome & Opening Remarks

Brian J. Anderson, Executive Director, Energy Communities IWG & Director, NETL

1:00 – 1:10 p.m.



Where to Start

Jon Grosshans, Environmental Protection Agency

- *Guiding principles and challenges addressing change*
- *How to get started*
- *Leaders and partnerships*
- *Issues and questions to consider*
- *Scenario planning for community change*
- *Measuring success*
- *Lessons learned*
- *Where to find capacity assistance, locally, state level, federally*

1:10 – 1:40 p.m.



Lessons Learned & Best Practices

Spoon River College, Canton, Illinois, Curt Oldfield

Foundation for Appalachian Kentucky, Gerry Roll

1:40 – 2:10 p.m.



Q&A

2:10 – 2:30 p.m.



Formal Program Concludes

2:30 p.m.

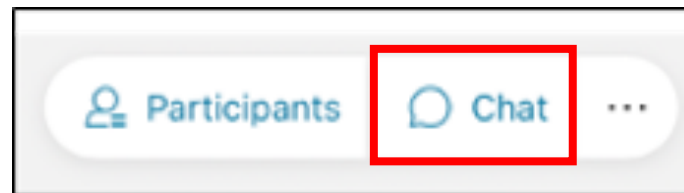
Submit Questions in Chat



All attendees muted.



Send topic questions in **Chat** to **all Panelists** by clicking the chat icon on the bottom right of screen.



Send **technical assistance** questions in Chat to **Host**.

Final Reminders



Slides, webinar recording, and resources will be posted to **EnergyCommunities.gov** and sent by email.

Revitalizing Coal and Power Plant Communities



Revitalizing America's Energy Communities



Prioritizing Those Most In Need of Support

- Identified **25** priority Energy Communities
- Coal communities identified as immediately challenged
- Additional analyses forthcoming

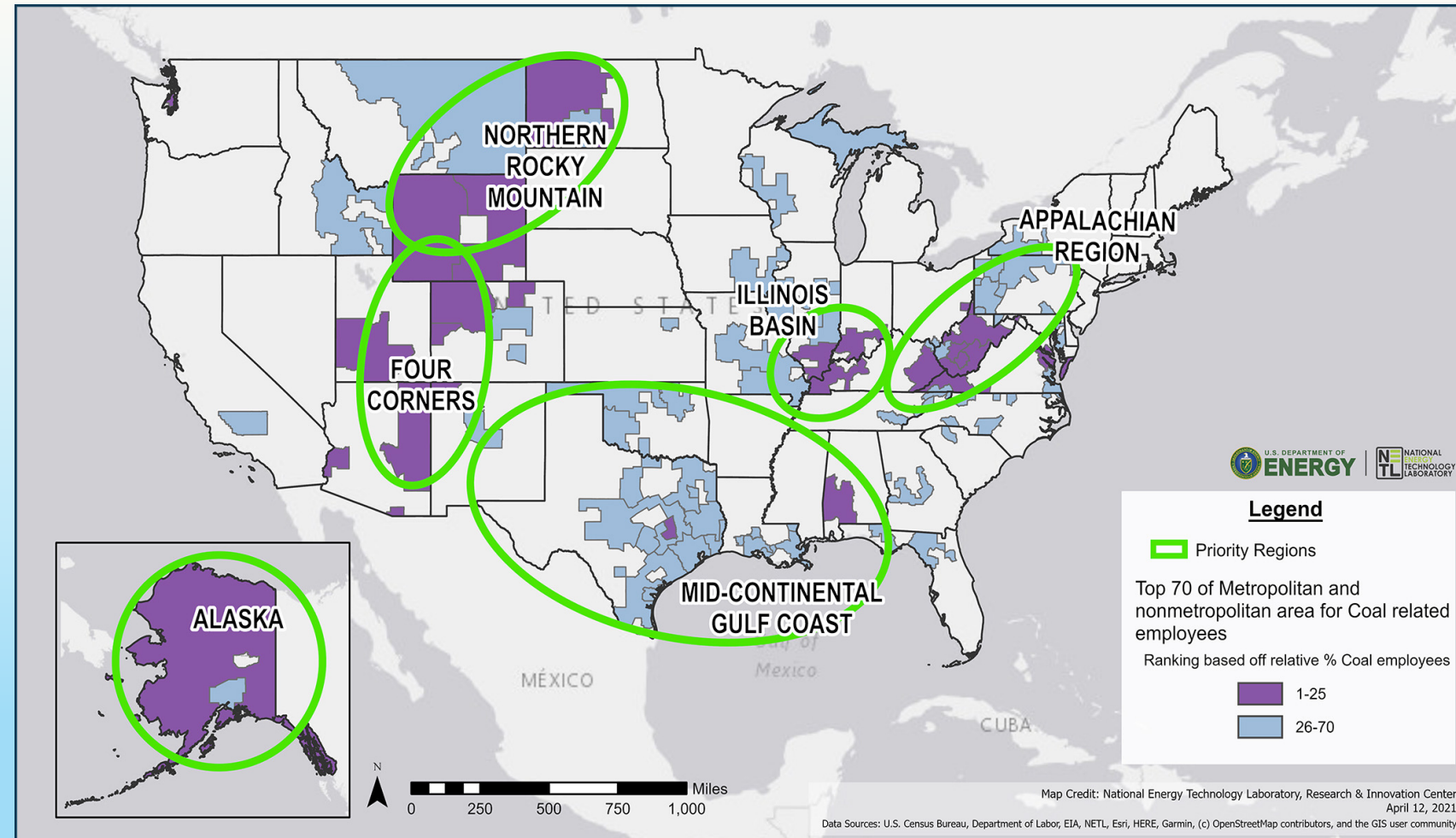


Figure 2 in the report. The IWG recommends focusing initial federal investments in areas with high concentrations of coal-dependent jobs.

Investing With Urgency for Near- and Long-Term



\$38B

in potential funding

\$2B

awarded thus far

COORDINATE

CATALYZE

TARGET

The Looney Ridge mine in Wise County, VA

Getting More Funds, To More Places, More Quickly



Upgrade
Infrastructure



Clean Up
Environmental
Damage



Promote
Entrepreneurship



Support Workforce
Development

Sharing Information: IWG Website & Social Media



energycommunities.gov



@EnergyComm_US



@EnergyCommunitiesUS



@energycommunitiesus

Getting Involved: Calls to Action

- ✓ **Stakeholder engagement opportunities**
 - ✓ Sign up at new website/follow social media
 - ✓ Attend webinars and workshops
- ✓ **Support coalitions and matching funds**
- ✓ **Provide input on priority IWG workstreams**
 - ✓ Stakeholder Engagement
 - ✓ Targeting Federal Investments
 - ✓ Capacity-Building/"One-Stop Shop"

Where to Start? Webinar for Energy Communities Starting a Transformation



Question 2:

What is the top challenge you are currently facing with regards to your community's transition?



United States
Environmental Protection
Agency



Where to Start?

Webinar for Energy Communities Starting a Transformation



Energy Transition - Why now?

1
Announced
Retirements

2
Energy
Generation
Plans

3
Accelerating
Trends

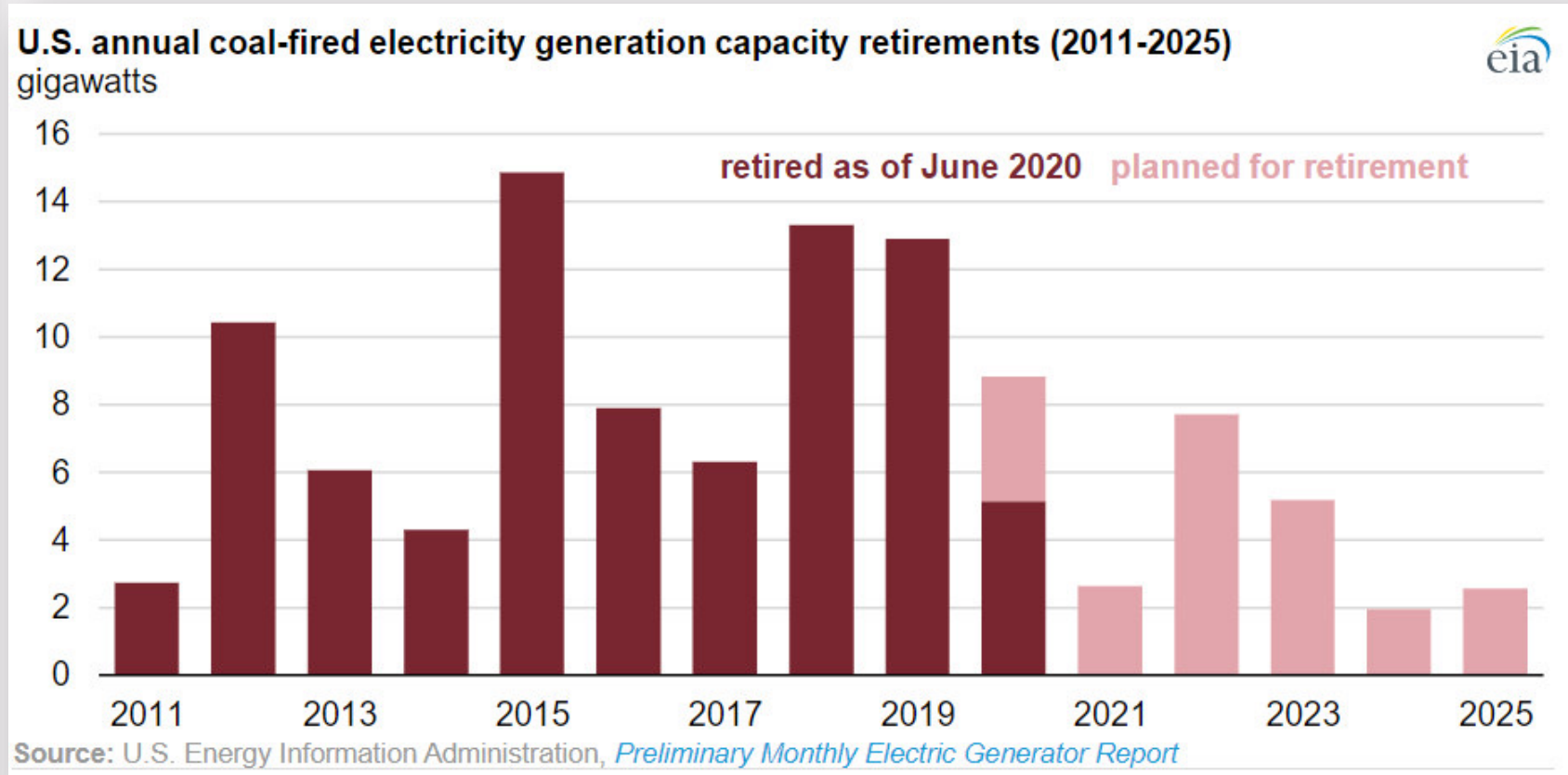
4
Federal
Coordination

5
Available
Resources

6
Additional
Support



Planned Retirements



example

menu

utility

step 1



overview

about

example

menu

utility

step 1

MICHIGAN

Consumers Energy plans to complete coal phaseout by 2025

John Flesher

Published 3:55 p.m. ET Jun. 23, 2021

[View Comments](#)



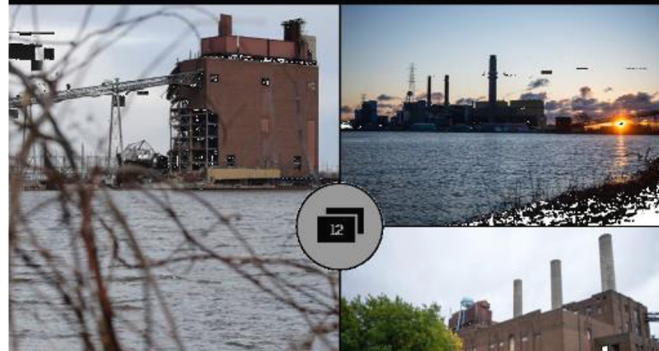
TRAVERSE CITY — Consumers Energy said Wednesday it would stop burning coal to generate electricity by 2025, relying instead on natural gas and renewable energy sources in a push to continue reducing its planet-warming carbon emissions.

The Jackson-based utility, which provides power or gas to homes and businesses across Michigan's Lower Peninsula, said ending its coal use 15 years earlier than previously planned was part of a long-term strategy to produce energy in a more environmentally friendly way.

[michigannews/](#)

Millions in tax revenue lost as Consumers Energy power plant demolished in Bay County

Updated Aug 31, 2020; Posted Aug 31, 2020



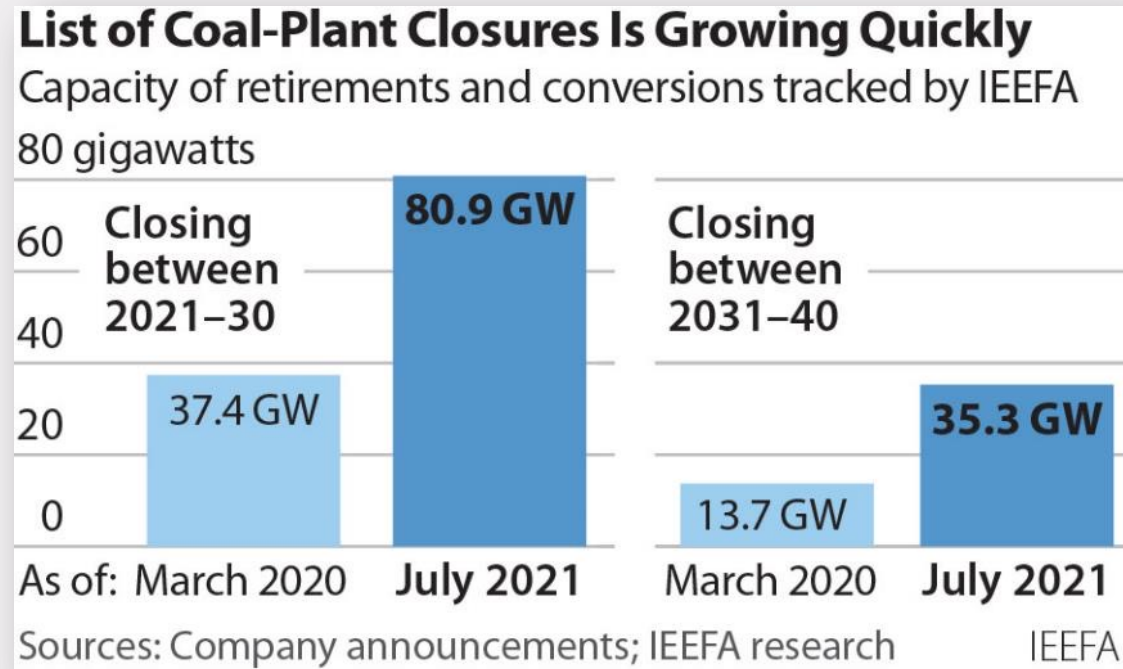
Advertisement



overview

about

Acceleration of Energy Trends



example

menu

utility

step 1



overview

about

example

menu

utility

step 1

Focus on People

Workers, Neighborhoods, Communities

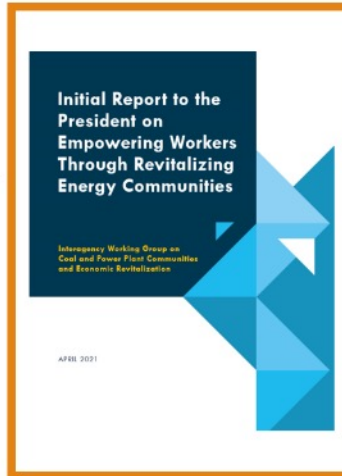


overview

about

Focus on Connecting People to Resources

Workers, Neighborhoods, Communities



Federal Assistance

[Executive Order 14008](#) of January 27, 2021

EMPOWERING WORKERS THROUGH REVITALIZING ENERGY COMMUNITIES

White House Interagency Working Group on
Coal and Power Plant Communities and
Economic Revitalization



overview

about

example

menu

utility

Step 1

Focus on People in Places

Workers, Neighborhoods, Communities

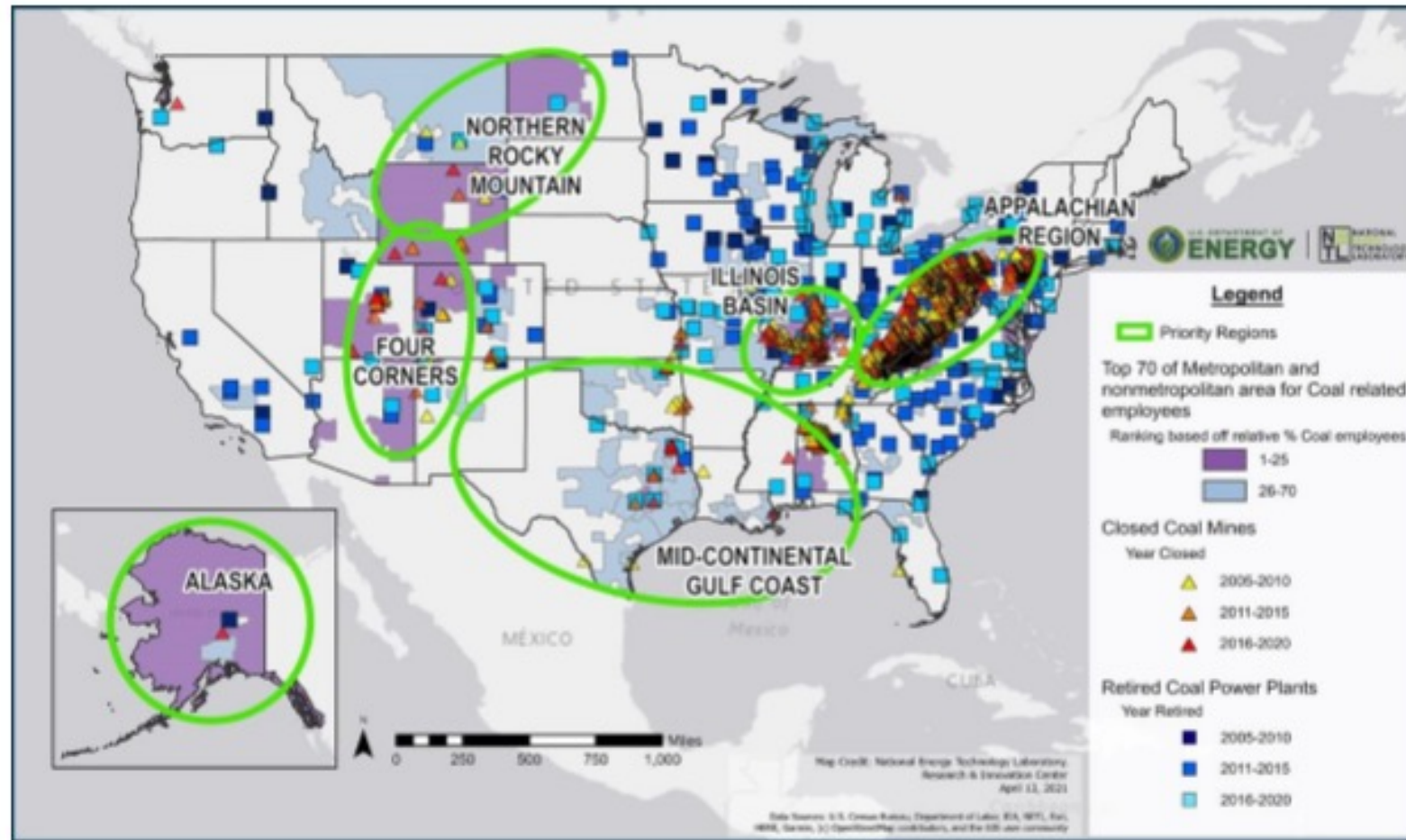


Figure 3. Map indicates coal mine and power plant closures from 2005–2020.



Initial Steps in Revitalization



step 1

overview

about

Community – Utility Relationship



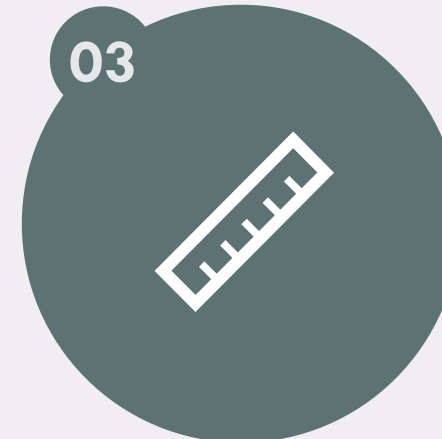
Government-Utility Communications

Not a one-time conversation
Multiple dialogues over time



Power Plant Closure Details

Site Decommissioning
Job Transitions
Financial Impacts
Potential Energy Reuse
and/or Disposition

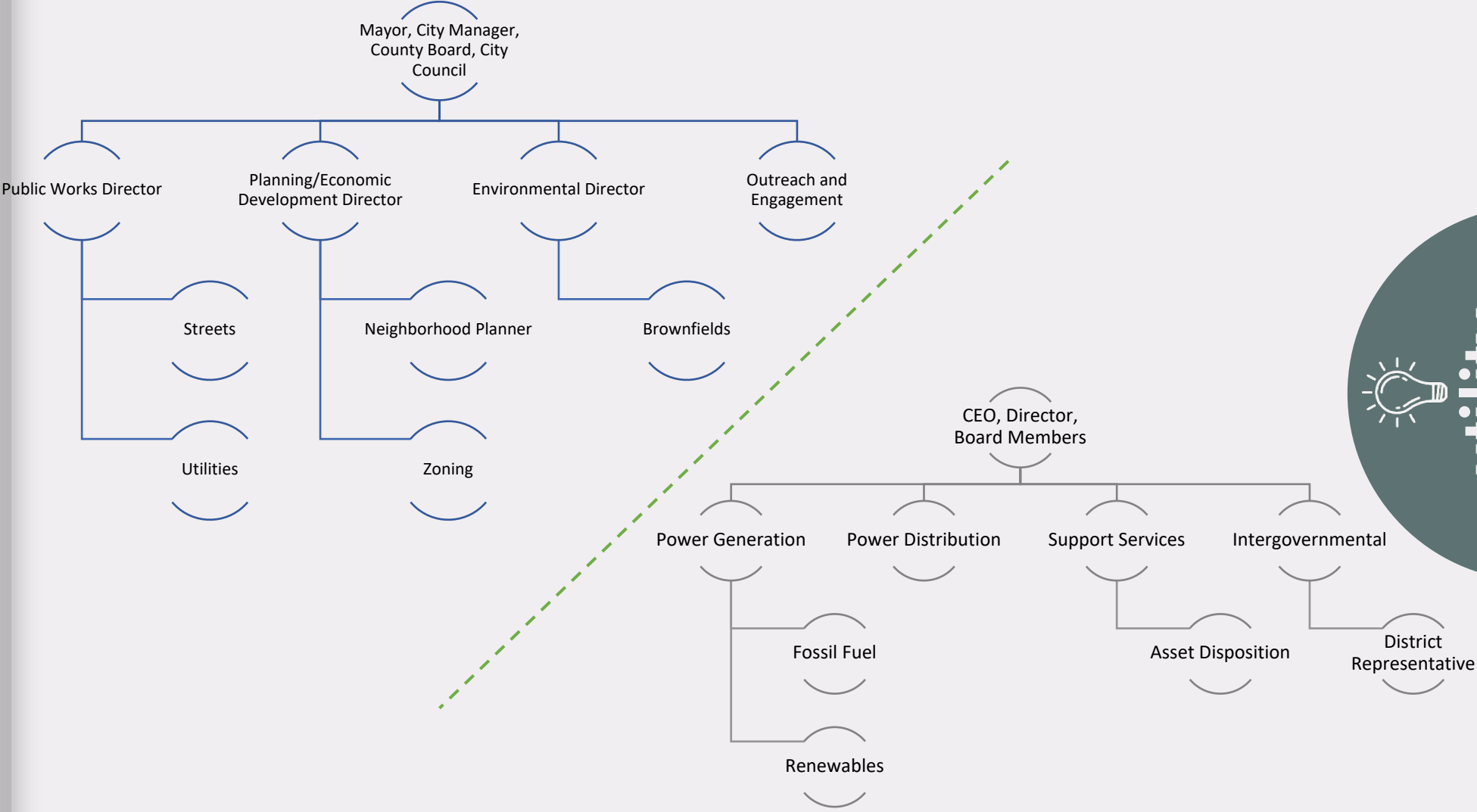


Site Planning and Infrastructure Analysis

City/County Point of Contact
University Technical Assistance
Redevelopment Planning
Zoning and Ordinances



Community – Utility Relationship



Power Plants Decommissioning and Redevelopment: Phased Approach

Decommissioning	Remediation	Redevelopment
<ul style="list-style-type: none">• Closure planning, including safety engineering survey and asset inventory; legal notices• Equipment shutdown, cleaning and removal or sale• Electrical switchyard and plant power reconfiguration• Security enhancements (fences, gates, lighting)• Removal of surplus coal, oil and process chemicals	<ul style="list-style-type: none">• Environmental assessment• Removal of hazardous chemicals and wastes• Permit applications and closures, remedial plan development and regulatory review• Public outreach and public involvement• Closure and cleanup of waste management units (ash pits or ponds)	<ul style="list-style-type: none">• Demolition or renovation of existing structures• Infrastructure improvements or alterations• Architectural planning• Construction of new buildings and spaces

example

menu



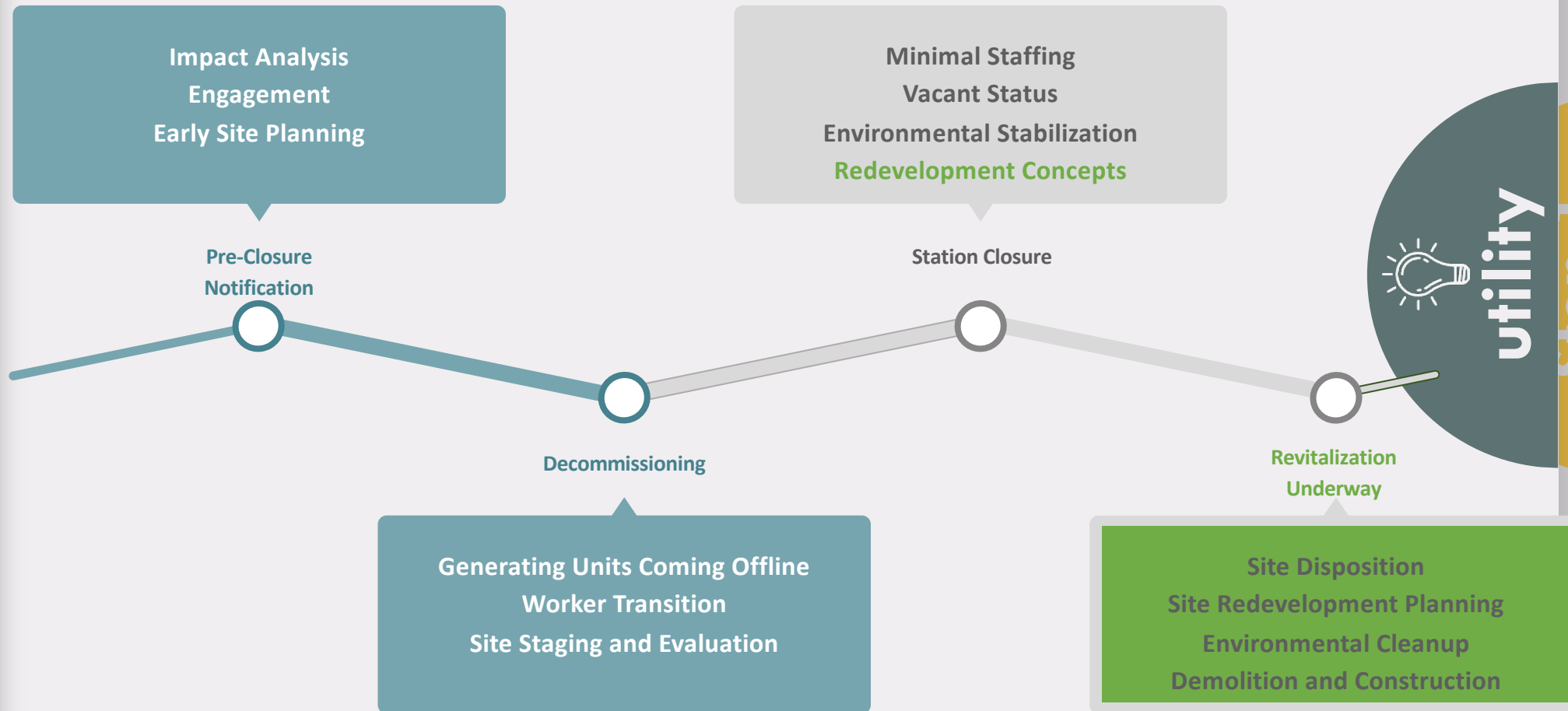
utility

Step 1

overview

about

Transition Phases



Pre-Closure Activities



Power Generation Plan



Financial Impact Analysis



Community Transition/Revitalization Committee



Job Transition Plan



City/County Point of Contact



University Architecture, Planning or Engineering Team



Host Community Plan



Site Redevelopment Planning - Phases



Foundation Engagement



Shutdown and Decommissioning Plan



Zoning and Ordinance Updates



Commercial Redevelopment Roundtable



Disposition Strategy



Demolition Planning



Public Engagement

example



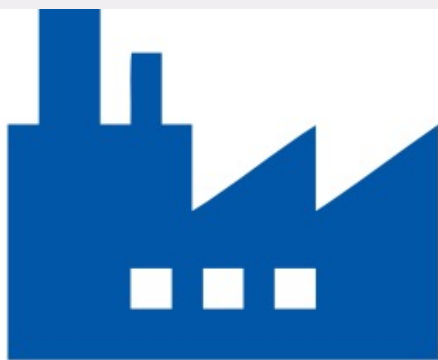
menu

utility

step 1

overview

about



BROWNFIELD / ENVIRONMENTAL STATUS

The site has been established as a brownfield based on the presence of the potential presence of contamination to exist on the site from prior uses.



SITE CONTEXT

Is the site located in an area of strategic importance where its redevelopment could have the most impact?



MARKET AND ECONOMIC FEASIBILITY

Understand realistic projections and opportunities for the site based on current and future economic market trends.



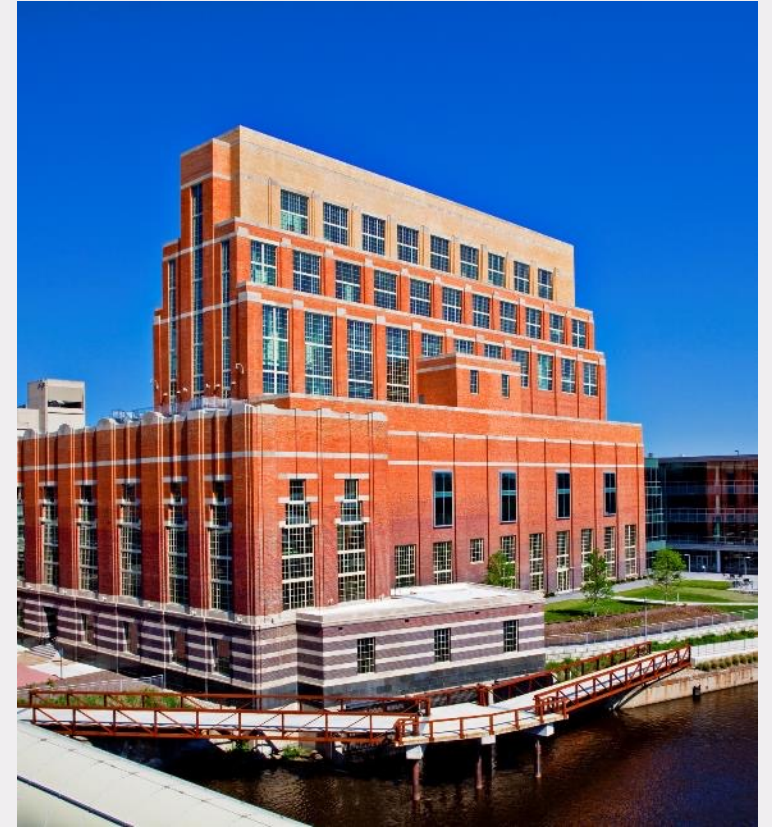
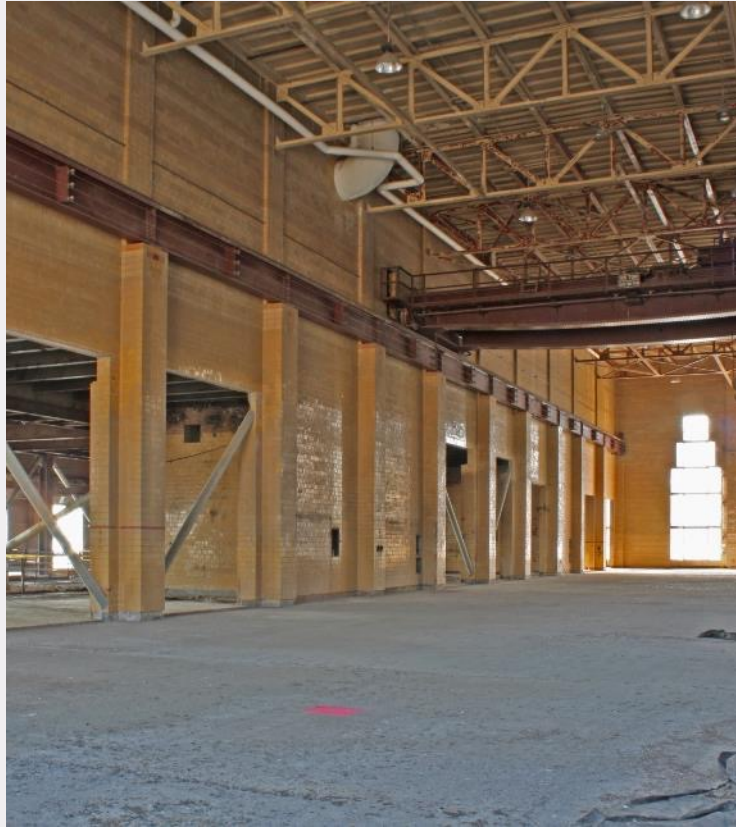
WILLING LAND OWNER

The availability of the site for sale or the willingness of the site's current owner to participate in the planning process.



FEEDBACK FROM PUBLIC


Which sites does the public see as the highest priority locations? Are there other sites that should be considered?






Former Ottawa Street Power Station

Lansing, Michigan

RISING TIDE ACTION STRATEGY

-  Improve housing stock
-  Redevelop downtown


RIVER ROUGE MASTER PLAN

-  Potential sites for development
-  Housing supply, quality & types
-  Increase vibrancy of downtown

RIVER ROUGE DOWNTOWN PLAN

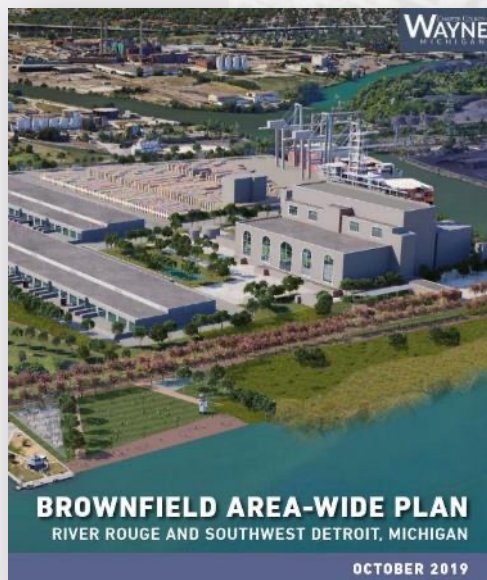
-  Promote & redevelop downtown
-  Jefferson streetscape & wayfinding

WEST JEFFERSON CORRIDOR PLAN


-  Reconfiguration, streetscape, placemaking & connectivity

POWER PLUS GRANT




-  Redevelopment site



RISING TIDE ACTION STRATEGY

-  Improve housing stock
-  Redevelop downtown


RIVER ROUGE MASTER PLAN

-  Potential sites for development
-  Housing supply, quality & types
-  Increase vibrancy of downtown

RIVER ROUGE DOWNTOWN PLAN

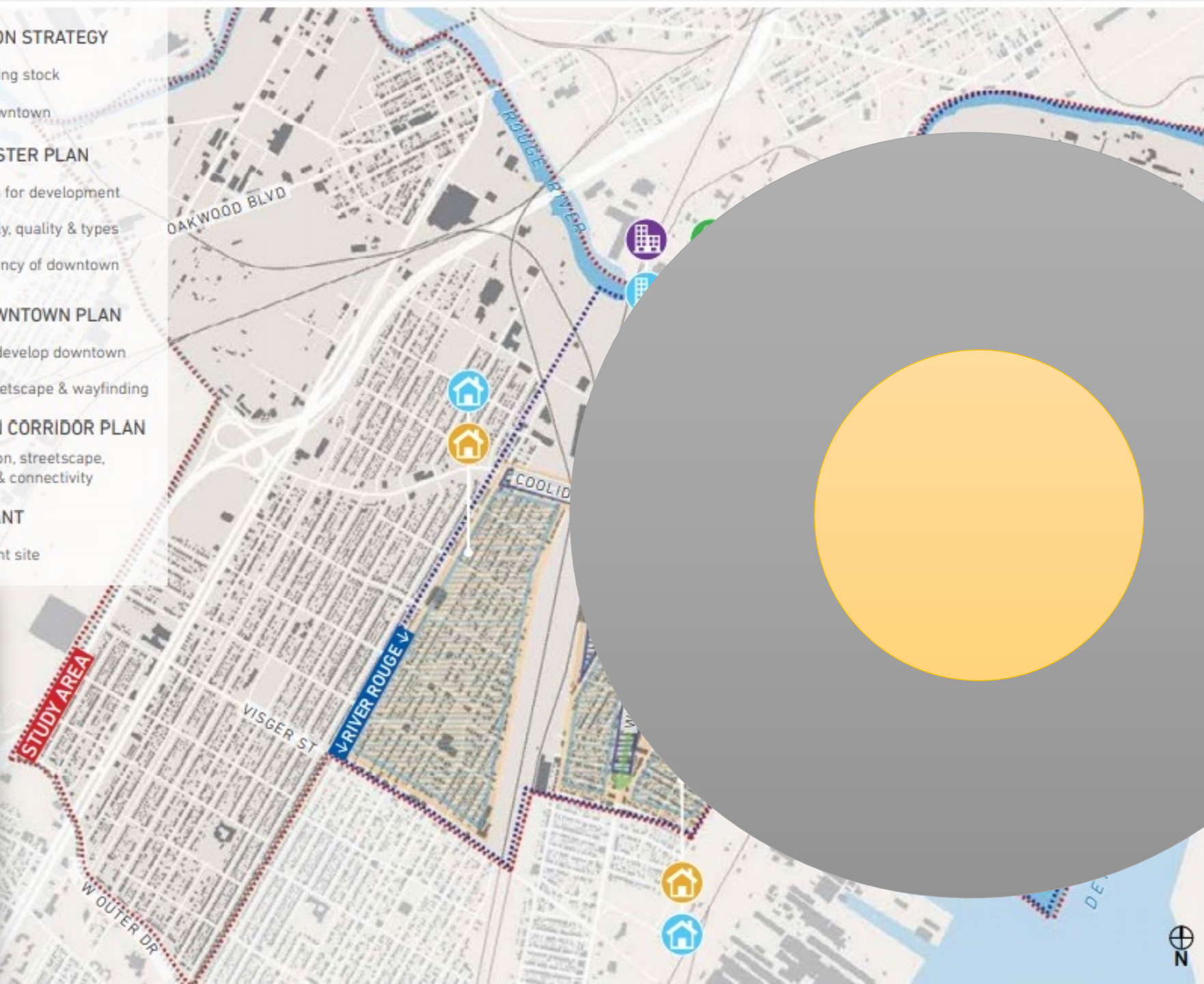
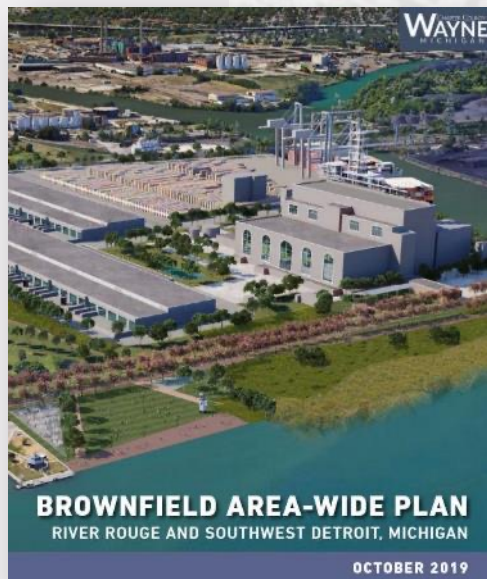
-  Promote & redevelop downtown
-  Jefferson streetscape & wayfinding

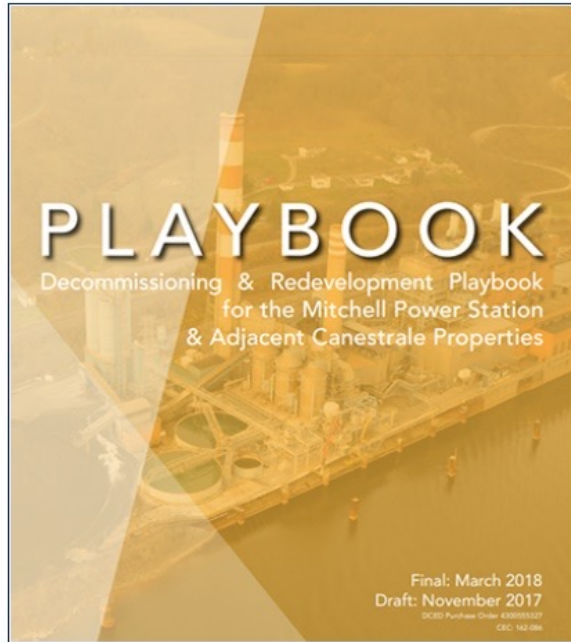
WEST JEFFERSON CORRIDOR PLAN

-  Reconfiguration, streetscape, placemaking & connectivity

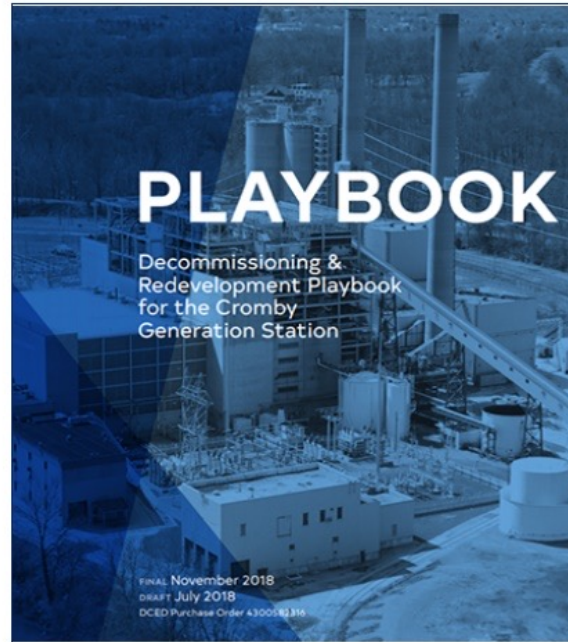
POWER PLUS GRANT

-  Redevelopment site

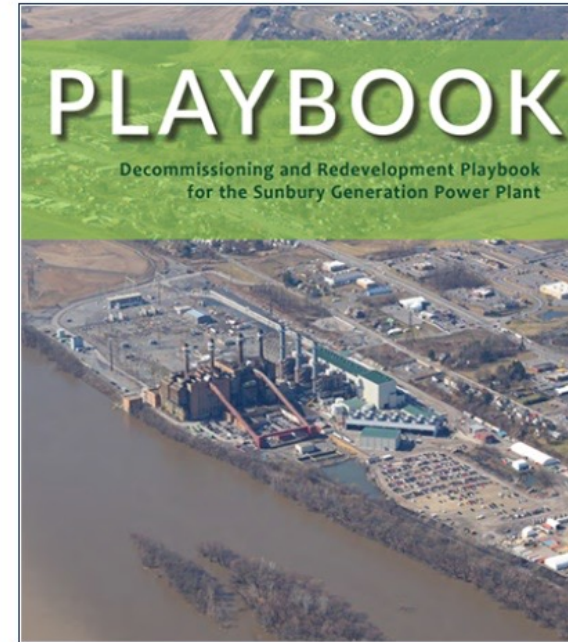




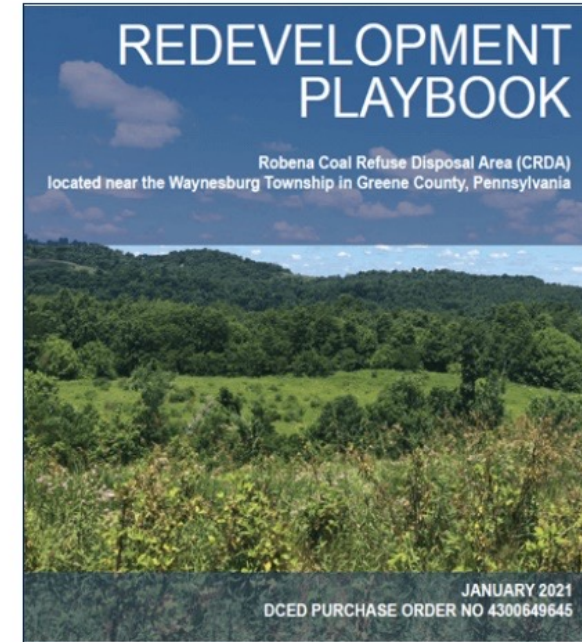
Mitchell Power Station



Cromby Generation Station



**Sunbury Generation
Power Plant**



Robena Redevelopment

Funded by the U.S. EDA's POWER initiative.



Brownfields Support Available

- EPA's Brownfields Program offers several resources that can assist communities struggling with brownfield assessment, cleanup, or redevelopment.
 - EPA's Targeted Brownfields Assessment (TBA) technical assistance is available to promote environmental investigation and/or reuse planning.
 - Available through EPA's 10 Regional Offices
 - EPA's Land Revitalization Program helps communities turn challenging collections of brownfield sites into productive, sustainable, and safe properties.
 - Coal plant reuse and redevelopment tools <https://www.epa.gov/land-revitalization/land-revitalization-coal-plant-reuse-and-redevelopment>
 - EPA's Brownfields Program provides competitive grants for brownfields assessment, cleanup, revolving loans, and environmental job training.
 - Workforce Development Grants announced on March 11, 2021 (approx. \$3.3 million distributed among 18 communities).
 - Multipurpose, Assessment, and Cleanup grants open for applications in Fall 2021.
- For more information on EPA's Brownfields grants and technical assistance programs: <https://www.epa.gov/brownfields>



COAL PLANT DECOMMISSIONING

FINANCING CLEANUP AND REDEVELOPMENT

Many coal-fired power plants are expected to close in the coming years. Coal plant communities are faced with potentially long-term job and tax revenue loss, legacy environmental contamination and the need for new economic opportunities.

EPA's Brownfields Program empowers states, communities and other stakeholders to work together to assess, safely clean up and sustainably reuse brownfields. The revitalization of brownfields properties, including former power plants, can create benefits for communities.

Understanding the costs associated with the decommissioning, remediation and redevelopment planning for a former power plant is an important aspect of a community revitalization plan. Depending on the community's vision for the property's end use, the costs of decommissioning, demolition, remediation and redevelopment can be substantial. With well-estimated project costs, a project team and the community can better identify the best potential funding sources for meeting environmental cleanup challenges. In addition, a good sense of potential project costs will inform decision-making at each phase of the project. Although costs may appear to be prohibitive at first, several financial mechanisms may be available to support different phases of the assessment, cleanup and redevelopment process.

EPA prepared this fact sheet to help communities that may be affected by the closure of coal-fired power plants. Fact sheets covering stakeholder identification and facilitation and plant decommissioning, as well as remediation and redevelopment, are also available.

Understanding the anticipated costs for all phases of redevelopment is an important aspect of a community revitalization plan. Several financial mechanisms may be available to support different phases of the assessment, cleanup and redevelopment process.

STAKEHOLDER INVOLVEMENT THROUGHOUT

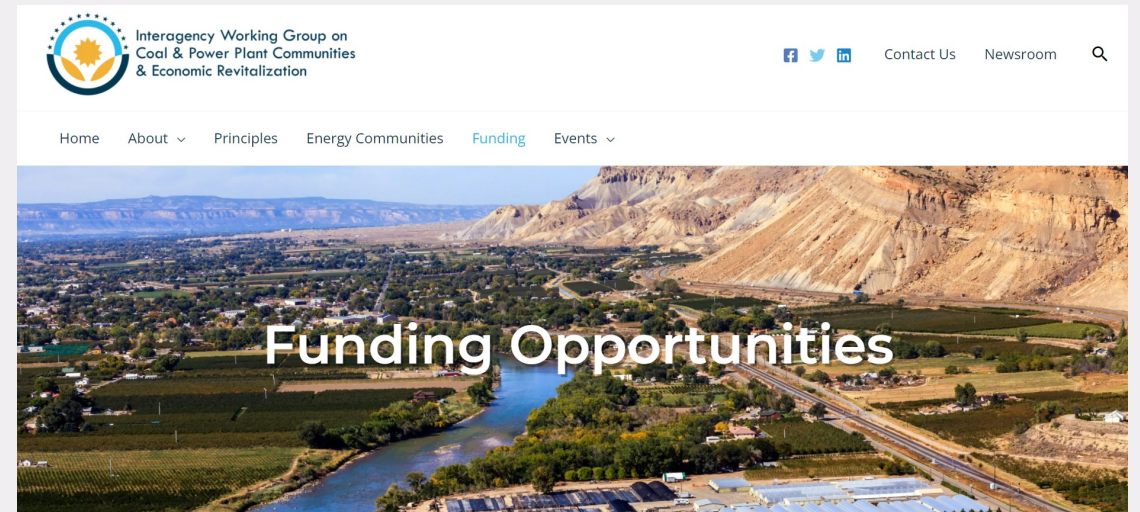
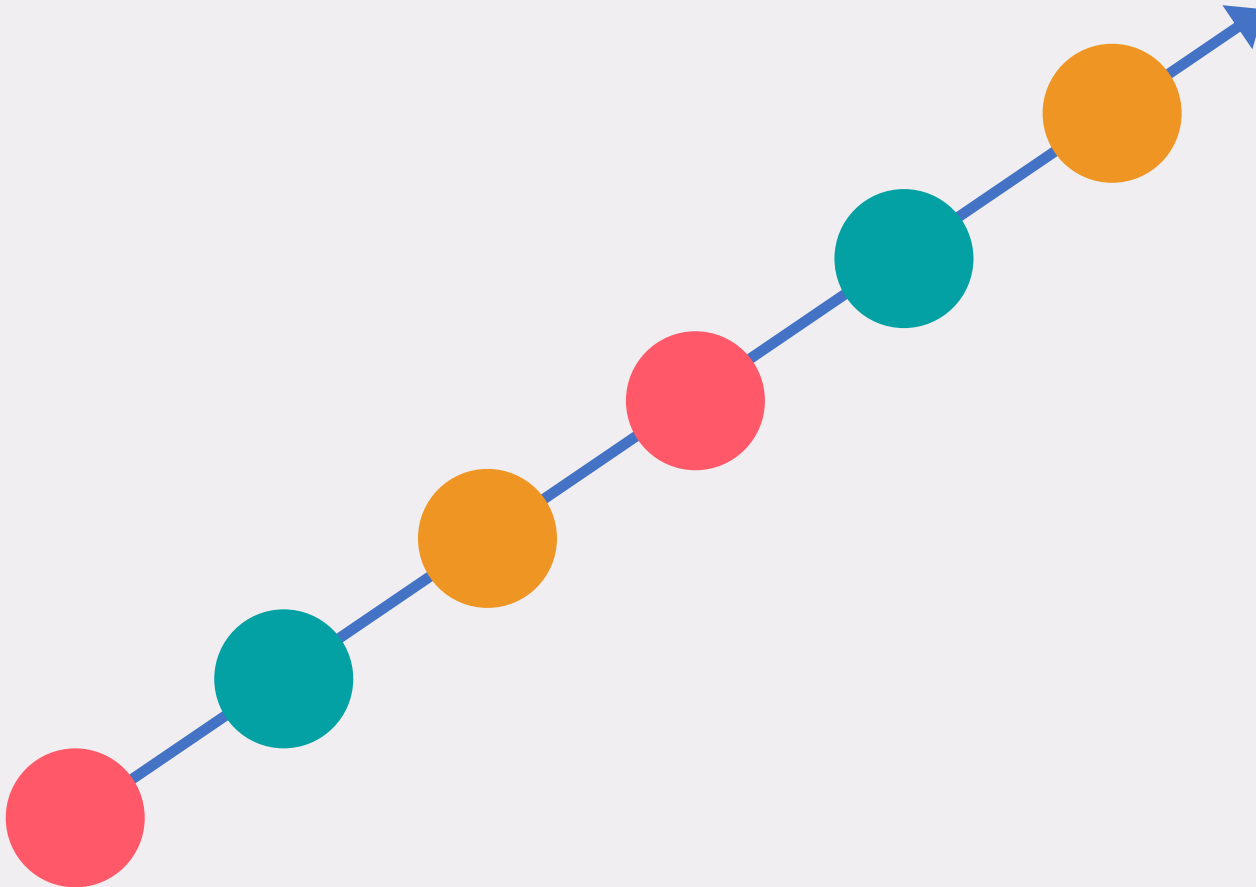
Shutdown	Decommissioning	Remediation	Redevelopment
Planning grants for stakeholder teams. Economic and social analysis. Tax increment funding.	Job training grants for remediation. Brownfields Assessment grants. Infrastructure grants.	Brownfields Cleanup grants. Underground Storage Tank Cleanup funds.	Job training grants for workers at redevelopment sites. Energy efficiency and renewable energy grants.

EPA United States Environmental Protection Agency

Coal Plant Decommissioning
Financing Cleanup and Redevelopment

1

Takeaways



<https://energycommunities.gov/funding-opportunities/>

Lessons Learned & Best Practices

- **Spoon River College, Canton, Illinois**
Curt Oldfield
- **Foundation for Appalachian Kentucky**
Gerry Roll





SPOON RIVER

COLLEGE

Taking You Where You Want To Go

Overview

- Spoon River College is a rural serving community college in west central Illinois (orange box)

~13 % poverty rate

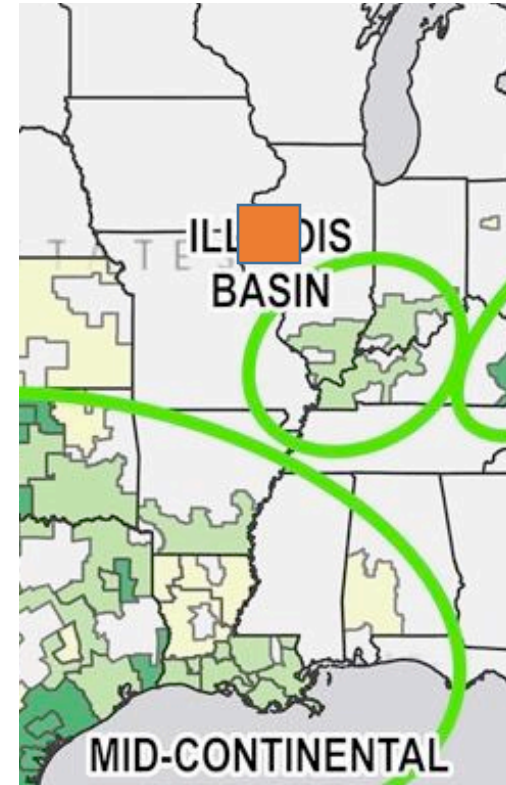
~8 % unemployment rate

- Vistra Energy closed two coal fired power plants in our Community College District in December 2019

Duck Creek (Canton)-- 441 MW

Havana—488 MW

- Over 300 employees impacted and a reduction of property tax associated with power plant evaluation



Canton

Havana

Macomb

Rushville

src.edu 1-800-degrees

Timeline and Response

- Impacted communities and stakeholders were notified in late August 2019 with closure in December 2019
- Spoon River College partnered with Regional Workforce Investment Board (RWIB) to develop a rapid response for workers
- Met with workers on all 3 shifts 4 different times
- Evaluated current education and training
- Discussed career goals and aspirations, held employer hiring fairs, college open houses, connected with community resources



Results

- ~60% of the work force transferred/bumped to another power plant in IL represented by IBEW.
 - This creates a challenge with future power station closings
- ~20% of the work force enrolled in a Community College or University to upskill or change careers.

Commercial Driver Training

Teaching

Welding

Nursing/Health

Diesel Repair

CNC programs

- ~5% of the work force started their own business
- ~15% retired, moved out of state, or unemployed



Needs and Future Considerations

- Time
 - More advanced notice to employees to help upskill, relocate, or start educational pathway
- Funds
 - Not only severance packages, but long term educational funding for non traditional students with families
 - Consider impact on families and college age students of impacted employees
- Improve employee training record keeping
 - Employees should have easy/portable access to all earned industry credentials
- Replace or Reduce Property tax implications on impacted taxing bodies



Contact Information

Curt Oldfield

President

Spoon River College

curt.oldfield@src.edu

309-649-6200



Canton

Havana

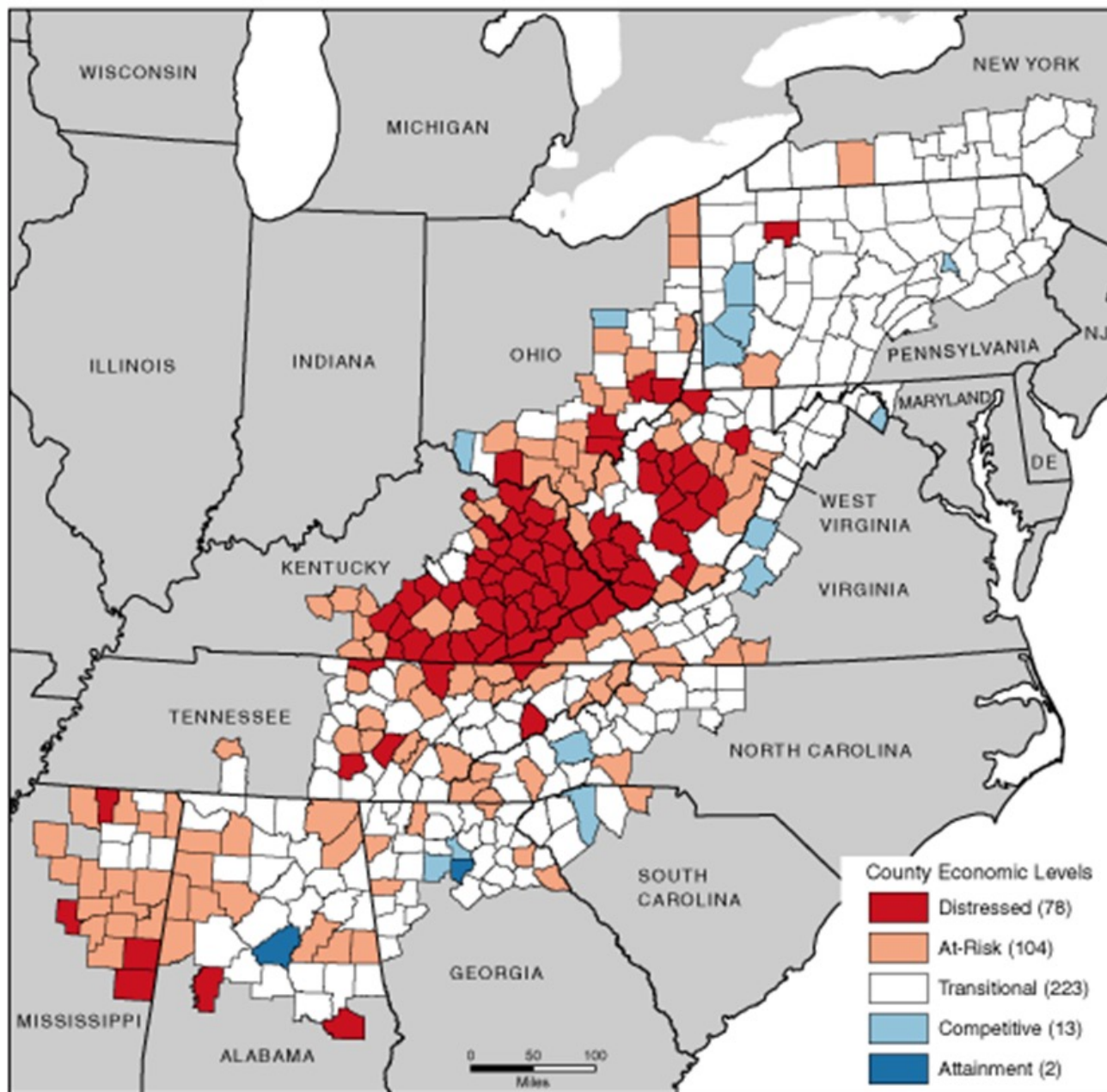
Macomb

Rushville

src.edu 1-800-degrees



Foundation *for*
Appalachian
Kentucky
RISING WHERE WE'RE ROOTED



Created by the Appalachian Regional Commission, June 2020

Data Sources:

Unemployment data: U.S. Bureau of Labor Statistics, LAUS, 2016–2018

Income data: U.S. Bureau of Economic Analysis, REIS, 2018

Poverty data: U.S. Census Bureau, American Community Survey, 2014–2018

Effective October 1, 2020
through September 30, 2021





Our Vision:

Appalachian Kentucky thriving at its fullest potential.

Our Approach

Community foundations connect people to resources. When we meet people working to make their community better, we help them make a plan to do it.

Our approach is to meet communities where they are instead of molding them to work how we think they should. Because, at the end of the day, we believe that investing in the people rooted in communities is the way to make them better.



We Do 3 Things:

- Community Building
- Capacity Building
- Asset Building

Questions?



Gerry Roll, Chief Executive Officer

gerry@appalachianky.org | www.appalachianky.org

Tell Us How We Did and How to Best Serve You



Question 3:

1. Overall, how would you rate today's webinar?
2. What did you find most helpful about today's webinar?
3. What topics would you like to see addressed in future IWG webinars?
4. What additional support do you need to successfully pursue federal funds?

Thank you!

Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization



EnergyCommunities.gov



[@EnergyComm_US](https://twitter.com/EnergyComm_US)



[@EnergyCommunitiesUS](https://facebook.com/EnergyCommunitiesUS)



[@energycommunitiesus](https://in.linkedin.com/company/energycommunitiesus)